



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 12091530  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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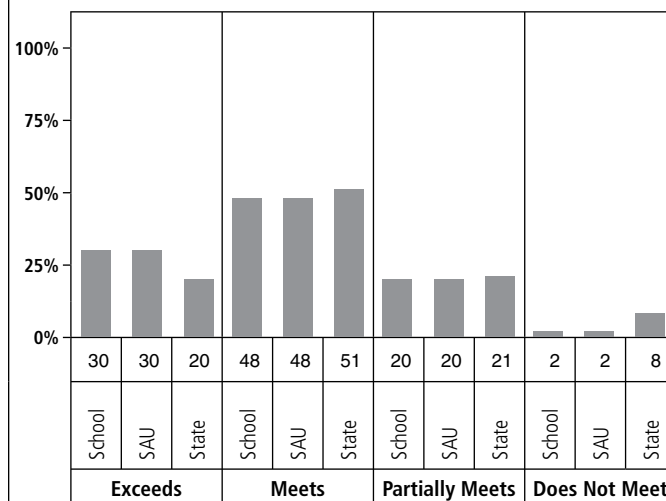
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

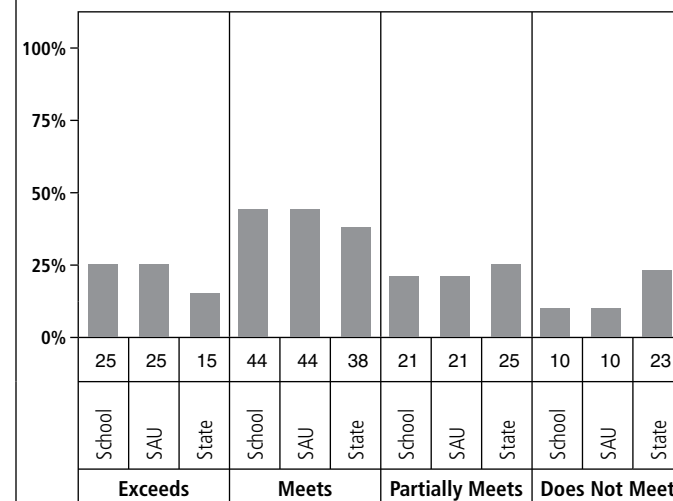
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	852	851	847
2007–2008	854	854	849
<b>2008–2009</b>	<b>854</b>	<b>854</b>	<b>850</b>
Cum. Avg.*	853	853	849
<b>Mathematics</b>			
2006–2007	847	846	842
2007–2008	845	845	841
<b>2008–2009</b>	<b>849</b>	<b>849</b>	<b>843</b>
Cum. Avg.*	847	847	842
<b>Science</b>			
<b>2008–2009 **</b>	<b>847</b>	<b>847</b>	<b>846</b>

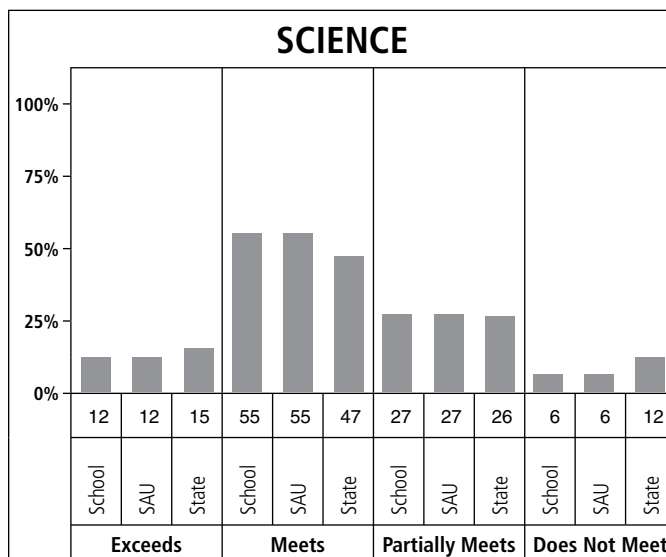
### ELA – READING



### MATHEMATICS



### SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
<b>Total number of students</b>	164	100	164	100	14804	100	163	99	163	99	14659	99	163	99	163	99	14653	99	163	99	163	99	14626	99
<b>Ethnicity</b> African American/Black	2	1	2	1	377	3	2	100	2	100	366	97	2	100	2	100	371	98	2	100	2	100	367	97
American Indian or Native Alaskan	1	1	1	1	119	1	1	100	1	100	117	99	1	100	1	100	115	97	1	100	1	100	116	98
Asian or Pacific Islander	0	0	0	0	238	2	0	0	0	0	232	97	0	0	0	0	234	98	0	0	0	0	234	98
Hispanic	1	1	1	1	192	1	1	100	1	100	188	98	1	100	1	100	191	100	1	100	1	100	190	99
Caucasian/White	160	98	160	98	13878	94	159	99	159	99	13756	99	159	99	159	99	13742	99	159	99	159	99	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	26	16	26	16	2489	17	26	100	26	100	2434	99	26	100	26	100	2424	98	26	100	26	100	2418	98
<b>Current LEP</b>	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
<b>Economically disadvantaged</b>	39	24	39	24	5460	37	38	97	38	97	5380	99	38	97	38	97	5377	99	38	97	38	97	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
<b>Participation without accommodations</b>	138	84	138	84	12132	82	139	85	139	85	12124	82	139	85	139	85	12169	82
Identified disability (PET/IEP)	2	1	2	1	379	3	2	1	2	1	380	3	2	1	2	1	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	4	3	4	3	200	2	5	4	5	4	200	2	5	4	5	4	202	2
<b>Participation with accommodations</b>	24	15	24	15	2349	16	23	14	23	14	2347	16	23	14	23	14	2288	15
Identified disability (PET/IEP)	23	96	23	96	1877	80	23	100	23	100	1862	79	23	100	23	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	1	4	1	4	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
<b>Participation through alternate assessment (PAAP)</b>	1	1	1	1	178	1	1	1	1	1	182	1	1	1	1	1	169	1
Identified disability (PET/IEP)	1	100	1	100	178	100	1	100	1	100	182	100	1	100	1	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
<b>Non-participation – other</b>	1	1	1	1	113	1	1	1	1	1	117	1	1	1	1	1	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	29	22	29	21	2407	16
	2007-2008	46	32	46	32	3428	23
	<b>2008-2009</b>	<b>48</b>	<b>30</b>	<b>48</b>	<b>30</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	123	28	123	28	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	70	52	70	51	7494	49
	2007-2008	80	56	80	55	7179	48
	<b>2008-2009</b>	<b>77</b>	<b>48</b>	<b>77</b>	<b>48</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	227	52	227	51	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	27	20	28	21	3628	24
	2007-2008	8	6	9	6	2706	18
	<b>2008-2009</b>	<b>33</b>	<b>20</b>	<b>33</b>	<b>20</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	68	15	70	16	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	8	6	9	7	1810	12
	2007-2008	10	7	10	7	1611	11
	<b>2008-2009</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	22	5	23	5	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	38.4	68.6	38.4	68.6	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	13.5	67.5	13.5	67.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	24.9	69.2	24.9	69.2	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	162	48	30	77	48	33	20	4	2	854	162	30	48	20	2	854	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	2										2						362	8	43	29	20	843
American Indian or Native Alaskan	1										1						116	10	46	26	18	843
Asian or Pacific Islander	0										0						231	28	43	19	10	851
Hispanic	1										1						186	17	48	23	12	847
Caucasian/White	158	48	30	74	47	32	20	4	3	854	158	30	47	20	3	854	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	25	2	8	6	24	13	52	4	16	839	25	8	24	52	16	839	2256	2	25	40	34	834
No	137	46	34	71	52	20	15	0	0	857	137	34	52	15	0	857	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	0										0						324	5	34	36	26	838
No	162	48	30	77	48	33	20	4	2	854	162	30	48	20	2	854	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	37	7	19	14	38	13	35	3	8	847	37	19	38	35	8	847	5277	10	46	29	15	844
No	125	41	33	63	50	20	16	1	1	856	125	33	50	16	1	856	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	162	48	30	77	48	33	20	4	2	854	162	30	48	20	2	854	14476	20	51	21	8	850
<b>Gender</b>																						
Female	85	30	35	35	41	17	20	3	4	855	85	35	41	20	4	855	7074	25	51	18	6	852
Male	77	18	23	42	55	16	21	1	1	853	77	23	55	21	1	853	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	162	48	30	77	48	33	20	4	2	854	162	30	48	20	2	854	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	11	10	91	1	9	0	0	0	0	869	11	91	9	0	0	869	700	69	30	1	0	867
No	151	38	25	76	50	33	22	4	3	853	151	25	50	22	3	853	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	4 53 42 1	0 26 21 1	0 31 31 50	3 44 28 1	43 52 42 50	4 13 16 0	57 15 24 0	0 2 2 0	0 2 3 0	843 855 853 854	4 53 42 1	0 31 31 50	43 52 42 50	57 15 24 0	0 2 3 0	843 855 853 854	8 51 36 5	8 17 24 29	39 53 52 45	29 22 18 18	24 8 5 9	841 849 852 852
<b>Which of the following best describes how you rate yourself as a student in reading?</b> A. very good B. good C. fair D. poor	27 53 18 2	21 24 3 0	48 28 10 0	18 40 18 0	41 47 62 0	5 18 8 2	11 21 28 67	0 3 0 1	0 4 0 33	860 853 850 831	27 53 18 2	48 28 10 0	41 47 62 0	11 21 28 67	0 4 0 33	860 853 850 831	31 47 18 3	35 16 5 2	50 55 47 39	11 21 33 37	4 7 15 22	856 849 842 839
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b> A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	39 52 8 1	15 29 3 1	24 35 23 50	35 36 5 0	56 43 38 0	13 16 3 1	21 19 23 50	0 2 2 0	0 2 15 0	854 855 847 847	39 52 8 1	24 35 23 50	56 43 38 0	21 19 23 50	0 2 15 0	854 855 847 847	32 52 12 4	27 18 11 6	54 53 45 34	14 22 29 33	5 8 15 26	853 850 844 838
<b>How difficult was the reading part of this test?</b> A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	13 75 12	4 38 6	19 32 32	10 55 10	48 46 53	5 25 3	24 21 16	2 2 0	10 2 0	848 855 855	13 75 12	19 32 32	48 46 53	24 21 16	10 2 0	848 855 855	15 64 22	13 19 25	42 53 52	28 20 16	17 7 6	844 850 852
<b>How difficult were the reading passages on this test?</b> A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	7 58 35	2 25 21	18 27 38	5 43 27	45 47 48	3 22 7	27 24 13	1 2 1	9 2 2	847 853 857	7 58 35	18 27 38	45 47 48	27 24 13	9 2 2	847 853 857	8 52 40	6 14 30	34 54 53	34 24 13	26 8 4	838 848 855
<b>How hard did you try on the reading part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	53 43 4	24 23 0	29 34 0	41 28 4	50 42 57	14 15 3	17 22 43	3 1 0	4 1 0	854 855 844	53 43 4	29 34 0	50 42 57	17 22 43	4 1 0	854 855 844	39 54 7	19 21 12	50 53 46	22 19 27	9 7 15	849 851 845
<b>How much time do you spend reading at home each day?</b> A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	23 37 13 27	17 19 8 4	46 32 38 9	16 28 8 24	43 47 38 55	3 11 5 14	8 19 24 32	1 1 0 2	3 2 0 5	859 855 857 847	23 37 13 27	46 32 38 9	43 47 38 55	8 19 24 32	3 2 0 5	859 855 857 847	19 40 15 26	26 25 18 7	53 52 51 50	15 17 21 30	6 6 10 13	853 852 849 844
<b>How do you feel about the following statement?</b> "My knowledge of reading will be useful to me as an adult." A. strongly agree B. agree C. disagree D. strongly disagree	47 49 3 1	27 20 1 0	36 25 20 0	35 40 0 1	47 51 0 50	12 16 4 1	16 20 80 50	1 3 0 0	1 4 0 0	856 853 842 837	47 49 3 1	36 25 20 0	47 51 0 50	16 20 80 50	1 4 0 0	856 853 842 837	42 50 7 2	27 15 8 6	51 53 46 39	15 23 32 35	6 9 14 21	853 848 843 840
<b>Optional school/SAU question</b> A. B. C. D.	20 20 20 40	0 0 0 0	0 0 0 0	0 1 1 1	0 100 100 50	1 0 0 1	100 0 0 50	0 0 0 0	0 0 0 0	830 852 844 843	20 20 20 40	0 0 0 0	0 100 100 50	100 0 0 50	0 0 0 0	830 852 844 843						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	21	16	21	15	1952	13
	2007-2008	18	13	18	12	1657	11
	<b>2008-2009</b>	<b>40</b>	<b>25</b>	<b>40</b>	<b>25</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	79	18	79	18	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	67	50	67	49	5870	38
	2007-2008	77	53	77	53	5956	40
	<b>2008-2009</b>	<b>71</b>	<b>44</b>	<b>71</b>	<b>44</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	215	49	215	49	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	33	25	33	24	3982	26
	2007-2008	24	17	24	17	3729	25
	<b>2008-2009</b>	<b>34</b>	<b>21</b>	<b>34</b>	<b>21</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	91	21	91	21	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	13	10	15	11	3534	23
	2007-2008	25	17	26	18	3579	24
	<b>2008-2009</b>	<b>17</b>	<b>10</b>	<b>17</b>	<b>10</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	55	13	58	13	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	32.5	58.0	32.5	58.0	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	4.0	50.0	4.0	50.0	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	10.2	63.8	10.2	63.8	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	6.4	53.3	6.4	53.3	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	11.9	59.5	11.9	59.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: MSAD 15  
 School: Gray-New Gloucester Middle Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	162	40	25	71	44	34	21	17	10	849	162	25	44	21	10	849	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	2										2						367	6	24	26	44	831
American Indian or Native Alaskan	1										1						114	5	31	32	32	836
Asian or Pacific Islander	0										0						233	27	33	20	21	847
Hispanic	1										1						190	8	31	26	34	836
Caucasian/White	158	39	25	71	45	31	20	17	11	849	158	25	45	20	11	849	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	25	2	8	5	20	6	24	12	48	834	25	8	20	24	48	834	2242	2	12	22	63	824
No	137	38	28	66	48	28	20	5	4	852	137	28	48	20	4	852	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	0										0						336	6	18	26	51	829
No	162	40	25	71	44	34	21	17	10	849	162	25	44	21	10	849	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	37	8	22	12	32	7	19	10	27	843	37	22	32	19	27	843	5270	6	30	28	36	835
No	125	32	26	59	47	27	22	7	6	851	125	26	47	22	6	851	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	162	40	25	71	44	34	21	17	10	849	162	25	44	21	10	849	14466	15	38	25	23	843
<b>Gender</b>																						
Female	85	23	27	35	41	15	18	12	14	849	85	27	41	18	14	849	7070	15	39	25	22	843
Male	77	17	22	36	47	19	25	5	6	850	77	22	47	25	6	850	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	162	40	25	71	44	34	21	17	10	849	162	25	44	21	10	849	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	11	10	91	1	9	0	0	0	0	872	11	91	9	0	0	872	700	68	27	3	1	866
No	151	30	20	70	46	34	23	17	11	847	151	20	46	23	11	847	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

QUESTIONNAIRE ITEMS	School										SAU						State						
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%		
How much homework do you do on school nights?																							
A. none	4	0	0	2	29	2	29	3	43	830	4	0	29	29	43	830	8	8	24	24	44	833	
B. less than one hour	53	22	26	40	47	16	19	7	8	851	53	26	47	19	8	851	51	12	38	26	23	842	
C. one to two hours	42	18	27	29	43	13	19	7	10	850	42	27	43	19	10	850	36	19	40	23	19	845	
D. more than two hours	1	0	0	0	0	2	100	0	0	840	1	0	0	100	0	840	5	19	36	22	23	844	
Which of the following best describes how you rate yourself as a student in mathematics?																							
A. very good	29	23	49	19	40	4	9	1	2	859	29	49	40	9	2	859	28	33	41	15	11	852	
B. good	45	17	24	37	51	13	18	5	7	850	45	24	51	18	7	850	45	11	43	25	21	842	
C. fair	21	0	0	13	38	13	38	8	24	837	21	0	38	38	24	837	21	3	27	35	35	834	
D. poor	5	0	0	2	25	3	38	3	38	835	5	0	25	38	38	835	5	2	14	30	54	828	
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																							
A. The questions on the test match what I have learned in mathematics class.	33	13	25	28	54	7	13	4	8	851	33	25	54	13	8	851	28	23	41	21	15	848	
B. They match some of what I have learned.	56	25	28	37	41	20	22	8	9	850	56	28	41	22	9	850	52	13	40	25	21	843	
C. They match just a little of what I have learned.	11	1	6	6	35	6	35	4	24	839	11	6	35	35	24	839	16	8	28	30	34	836	
D. There is no match.	1	0	0	0	0	0	0	1	100	800	1	0	0	0	100	800	4	5	15	22	58	826	
How difficult was the mathematics part of this test?																							
A. more difficult than my regular schoolwork	24	10	26	18	46	6	15	5	13	848	24	26	46	15	13	848	32	6	34	29	32	837	
B. about the same as my regular schoolwork	66	24	23	46	43	25	24	11	10	849	66	23	43	24	10	849	52	13	41	25	20	843	
C. easier than my regular schoolwork	10	6	38	7	44	2	13	1	6	856	10	38	44	13	6	856	16	39	35	13	13	853	
How hard did you try on the mathematics part of this test?																							
A. I tried harder on this test than I do on my regular schoolwork.	55	21	24	47	53	13	15	7	8	850	55	24	53	15	8	850	42	12	38	26	25	841	
B. I tried about the same as I do on my regular schoolwork.	41	17	26	24	36	18	27	7	11	849	41	26	36	27	11	849	52	17	39	23	20	845	
C. I did not try as hard on this test as I do on my regular schoolwork.	4	1	17	0	0	2	33	3	50	832	4	17	0	33	50	832	7	12	27	27	35	837	
How often do you use calculators in mathematics class?																							
A. almost every day	67	21	19	48	44	29	27	10	9	848	67	19	44	27	9	848	34	18	40	22	20	845	
B. two or three days a week	26	10	24	21	50	4	10	7	17	848	26	24	50	10	17	848	35	14	38	26	21	843	
C. two or three times each month	4	5	71	2	29	0	0	0	0	869	4	71	29	0	0	869	18	12	37	27	24	841	
D. never or almost never	2	4	100	0	0	0	0	0	0	869	2	100	0	0	0	869	13	9	32	25	34	837	
How often do you use laptops in mathematics class?																							
A. almost every day	2	1	33	1	33	0	0	1	33	835	2	33	33	0	33	835	9	13	38	23	26	841	
B. two or three days a week	5	0	0	4	50	1	13	3	38	838	5	0	50	13	38	838	17	11	37	26	26	841	
C. two or three times each month	45	9	13	40	56	18	25	5	7	847	45	13	56	25	7	847	28	15	40	25	20	844	
D. never or almost never	48	30	38	26	33	14	18	8	10	853	48	38	33	18	10	853	46	16	36	24	23	843	
How do you feel about the following statement?																							
“My knowledge of mathematics will be useful to me as an adult.”																							
A. strongly agree	65	31	30	48	46	15	14	10	10	852	65	30	46	14	10	852	52	19	41	22	18	846	
B. agree	31	8	16	21	42	17	34	4	8	846	31	16	42	34	8	846	39	11	35	27	27	840	
C. disagree	4	1	17	1	17	1	17	3	50	833	4	17	17	17	50	833	6	7	28	26	39	835	
D. strongly disagree	1	0	0	1	100	0	0	0	0	848	1	0	100	0	0	848	3	4	25	28	43	832	
Optional school/SAU question																							
A.	20	0	0	0	0	0	0	1	100	800	20	0	0	0	100	800							
B.	20	0	0	1	100	0	0	0	0	844	20	0	100	0	0	844							
C.	20	0	0	0	0	1	100	0	0	836	20	0	0	100	0	836							
D.	40	0	0	1	50	0	0	1	50	840	40	0	50	0	50	840							

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	20	12	20	12	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	89	55	89	55	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	44	27	44	27	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	9	6	9	6	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	32.9	58.8	32.9	58.8	32.0	57.1
<b>D. The Physical Setting</b>	31	55	17.1	55.2	17.1	55.2	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	9.3	54.7	9.3	54.7	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	7.8	55.7	7.8	55.7	7.7	55.0
<b>E. The Living Environment</b>	25	45	15.8	63.2	15.8	63.2	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: MSAD 15  
 School: Gray-New Gloucester Middle Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	162	20	12	89	55	44	27	9	6	847	162	12	55	27	6	847	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	2										2						360	4	31	35	30	835
American Indian or Native Alaskan	1										1						114	8	39	31	22	839
Asian or Pacific Islander	0										0						230	20	44	23	13	848
Hispanic	1										1						184	9	45	29	16	842
Caucasian/White	158	19	12	87	55	43	27	9	6	847	158	12	55	27	6	847	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	25	2	8	8	32	9	36	6	24	837	25	8	32	36	24	837	2221	3	22	36	38	832
No	137	18	13	81	59	35	26	3	2	849	137	13	59	26	2	849	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	0										0						331	4	20	39	37	832
No	162	20	12	89	55	44	27	9	6	847	162	12	55	27	6	847	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	37	2	5	18	49	12	32	5	14	842	37	5	49	32	14	842	5184	6	40	33	21	840
No	125	18	14	71	57	32	26	4	3	849	125	14	57	26	3	849	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	162	20	12	89	55	44	27	9	6	847	162	12	55	27	6	847	14258	15	47	26	12	846
<b>Gender</b>																						
Female	85	8	9	46	54	24	28	7	8	846	85	9	54	28	8	846	6953	14	47	28	11	846
Male	77	12	16	43	56	20	26	2	3	849	77	16	56	26	3	849	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	162	20	12	89	55	44	27	9	6	847	162	12	55	27	6	847	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	11	5	45	6	55	0	0	0	0	863	11	45	55	0	0	863	699	65	34	2	0	865
No	151	15	10	83	55	44	29	9	6	846	151	10	55	29	6	846	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 15  
School: Gray-New Gloucester Middle Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	4	0	0	2	29	2	29	3	43	834	4	0	29	29	43	834	8	8	34	28	30	837
B. less than one hour	53	12	14	49	58	21	25	3	4	849	53	14	58	25	4	849	51	14	48	27	11	846
C. one to two hours	42	7	10	37	55	20	30	3	4	847	42	10	55	30	4	847	36	19	48	24	9	848
D. more than two hours	1	0	0	1	50	1	50	0	0	839	1	0	50	50	0	839	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	20	10	31	17	53	5	16	0	0	855	20	31	53	16	0	855	23	27	47	17	8	851
B. good	56	9	10	54	60	25	28	2	2	847	56	10	60	28	2	847	53	15	50	26	10	847
C. fair	21	0	0	18	53	12	35	4	12	842	21	0	53	35	12	842	20	4	43	35	18	840
D. poor	3	0	0	0	0	2	40	3	60	825	3	0	0	40	60	825	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	17	4	15	13	48	9	33	1	4	847	17	15	48	33	4	847	26	20	49	23	9	849
B. They match some of what I have learned.	50	8	10	50	62	20	25	3	4	848	50	10	62	25	4	848	51	14	48	26	11	846
C. They match just a little of what I have learned.	29	7	15	26	55	11	23	3	6	848	29	15	55	23	6	848	18	13	44	28	15	844
D. There is no match.	4	0	0	0	0	4	67	2	33	830	4	0	0	67	33	830	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	50	9	11	42	53	23	29	6	8	846	50	11	53	29	8	846	32	13	45	28	14	844
B. about the same as my regular schoolwork	42	8	12	38	57	19	28	2	3	847	42	12	57	28	3	847	56	15	49	25	11	847
C. easier than my regular schoolwork	8	2	15	8	62	2	15	1	8	850	8	15	62	15	8	850	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	57	13	15	49	55	23	26	4	4	847	57	15	55	26	4	847	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	41	6	9	37	58	19	30	2	3	848	41	9	58	30	3	848	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	2	50	1	25	1	25	839	3	0	50	25	25	839	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	18	3	11	14	50	9	32	2	7	844	18	11	50	32	7	844	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	23	3	8	25	69	7	19	1	3	850	23	8	69	19	3	850	23	17	49	22	12	847
C. the course(s) described in B, plus physics	20	10	32	18	58	2	6	1	3	855	20	32	58	6	3	855	21	31	44	17	7	852
D. a life science and physical science class	38	2	3	28	47	25	42	4	7	843	38	3	47	42	7	843	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	33	12	23	31	58	9	17	1	2	851	33	23	58	17	2	851	27	23	47	20	10	849
B. agree	27	3	7	28	64	11	25	2	5	847	27	7	64	25	5	847	37	14	47	27	12	846
C. disagree	30	4	8	21	44	19	40	4	8	845	30	8	44	40	8	845	25	11	48	29	12	845
D. strongly disagree	10	0	0	9	56	5	31	2	13	840	10	0	56	31	13	840	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	34	10	19	28	52	13	24	3	6	849	34	19	52	24	6	849	31	22	46	22	10	849
B. agree	42	7	10	39	58	19	28	2	3	848	42	10	58	28	3	848	50	14	49	26	11	846
C. disagree	21	1	3	20	61	9	27	3	9	845	21	3	61	27	9	845	14	9	45	31	15	843
D. strongly disagree	3	0	0	2	40	2	40	1	20	837	3	0	40	40	20	837	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	20	0	0	0	0	0	0	1	100	818	20	0	0	0	100	818						
B.	20	0	0	1	100	0	0	0	0	856	20	0	100	0	0	856						
C.	20	0	0	0	0	1	100	0	0	832	20	0	0	100	0	832						
D.	40	0	0	1	50	0	0	1	50	832	40	0	50	0	50	832						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number